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| Minutes | R&D LOBI  2014-05-07 | Thomas Sieber |
| Present: | V. Lavrik, B. Zwicker, A. Reiter, Y, Shutko, A. Lieberwirth, M. Almalki, R. Singh, T. Sieber | |
| Copies to: | M. Almalki, C. Andre, P. Boutachkov, O. Chorniy, P. Forck, T. Giacomini, E. Gütlich, R. Haseitl, P. Kowina, F. Kurian, J. Latzko, V. Lavrik, S. Lederer, A. Lieberwirth, T. Reichert, A. Reiter, M. Schwickert, Y. Shutko, T. Sieber, R. Singh, E.Soliman, B. Walasek-Höhne, M. Witthaus, B. Zwicker | |
| Web-Link: | [/dokuwiki/doku.php?id=fair-rnd:weekly-meeting](http://www-bd.gsi.de/dokuwiki/doku.php?id=fair-rnd:weekly-meeting:overview) | |

## Important Dates and Deadlines

IBIC2014 Abstract submission before 16.05. Interest for participation by Christiane, Beata, Peter, Vladimir (or USPAS School on BLM, 5th to 14th Nov.), Andreas, Benni. The abstract can be 3000 characters long.

OPAC Workshop May 8 and 9: participants: Febin and Peter

## General Remarks and Reports

**It is important that all persons related to the discussed R&D topics participate!**

## Beam Time

**Report on proton beam time April 28 and 30:**

Plamen: Tests of ICs in HTP.

Alice: Proton measurements on various screens at 300 MeV and 2 GeV. Data evaluation in progress.

Andreas: Test of low intensity behaviour of beam transformer for HB. Test of ‘afterglow’ of Chromox screens in FAIR chamber and on Alice’s target ladder.

**UNILAC beam time April 24:**

Benni: Bunch Shape Monitor shows some charge up effects in energy separator at higher electron intensities. BZ will check if there are insulators in the energy separator which might be exposed to the electron beam at high intensities / in case of losses.

**Beam time in Dresden by Stefan and Eiko:** Screen investigation concerning light spectrum and possible improvement by heating of the screen.

The beam time will be executed in week 20. SL is in Dresden for preparation. The new PCO1600 camera will be used and the spectrometer presently installed at HTP.

## Experimental Areas

**X2:** No news.

**HTP**: Changes during next shutdown:

Insertion of drive for scintillators: The drive is available, location must be discussed with Alice and Andreas, modification of the support required.

BIF: Installation of spectrometer, YS will check with CD next Monday, any new installations should not affect liquid He transport to CCC.

OTR: Installation of a CCD camera with 1st generation image intensifier.

Installation of FCT chamber is again delayed. Reuter company has not solved the soldering problem. FCT installation during shutdown unlikely (CD).

CCC. The device will not be removed. No beam-based experiments are planned for the beam time, but during the shutdown test measurements are possible. This must be well coordinated due to the transport of equipment (e.g. LN and LHe containers).

Screens: Spectrometer has been dismounted and was reinstalled in a proper way by AL.

BIF: Thomas and Yulia will look into the ‘echo effect’ of the image intensifier gate pulse, which has been observed.

The foils of the U-Boot will be repaired next week – in case there is a request from the Linac group.

During shutdown there will be some alignment work at NE-08 and also at HTP. Work which has to be done at a particular date has to be synchronized with the alignment team (I. Pschorn).

AL has arranged that the emergency light in HTP is switched on again.

## Personal topics

No news

Presently every 4th week the meeting will take place in Kühlschrank, Peter will clarify the situation.

**Next Meeting:** Wednesday, April 14th , 3 p.m location will be announced by email